

7 of 11

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SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 7/19/06 Serial # 101728437 Priority Application Date 12/5/03

Your Name M. Lewis Examiner # _____

AU 2522 Phone 202-1534 Room 5A30

In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL
If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB
Other: _____

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐
Secondary Refs ☐ Foreign Patents ☐ Other ☐

Is this a "Fast & Focused Search" request? (Circle One) YES ☐ NO ☒

A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 1-13, 15-18
CMOS/Memory
Decrease pitch to provide
more substrate area.
Problem: See paragraphs 2-4
Solution: "abstract"

5,621,683

5,587,948

US

6,631,085

US

6,486,066

5,069,045

2003/0198101

Staff Use Only

Searcher: Mary Mims

Searcher Phone: 25428

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 7/20/06

Date Completed: 7/20/06

Searcher Prep/Rev Time: 240

Online Time: 82

Type of Search

Structure (#) ☒

Bibliographic ☒

Litigation ☐

Fulltext ☐

Patent Family ☐

Other ☐

Vendors

STN ☐

Dialog ☐

Questel/Orbit ☐

Lexis-Nexis ☐

WWW/Internet ☐

Other ☐

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=> d his full

(FILE 'HOME' ENTERED AT 15:05:41 ON 20 JUL 2006)

FILE 'WPIX' ENTERED AT 15:06:27 ON 20 JUL 2006

L1 1 SEA ABB=ON PLU=ON US20050121790/PN
D IFULL
L2 90790 SEA ABB=ON PLU=ON PITCH OR DEVICE DENSITY OR (NON) (2W) (PLANAR
) OR TOPOGRAPH?
L3 971952 SEA ABB=ON PLU=ON SUBSTRAT? OR DIE OR WAFER
L4 9971 SEA ABB=ON PLU=ON L2 AND L3
L5 1328930 SEA ABB=ON PLU=ON DRIVE? OR RAIL OR FAN? OUT
L6 758 SEA ABB=ON PLU=ON L4 AND L5
L7 1099901 SEA ABB=ON PLU=ON MOSFET OR MOS OR CMOS OR NMOS OR PMOS OR
ARRAY OR MATRIX? OR MEMOR? OR PROM OR ROM OR RAM OR SRAM OR
DRAM OR (STOR? OR MEMOR?) (2W) (INFORMATION OR DATA OR DEVICE?
OR CELL OR ARRAY OR MATRIX)
L8 183 SEA ABB=ON PLU=ON L6 AND L7
L9 215694 SEA ABB=ON PLU=ON ?LITHOGR? OR ETCH? OR IMPRINT? OR EMOSS?
L10 25 SEA ABB=ON PLU=ON L8 AND L9
L11 24 SEA ABB=ON PLU=ON L10 NOT L1
D IFULL 1-24

FILE 'INSPEC, COMPENDEX' ENTERED AT 15:41:53 ON 20 JUL 2006

L12 1356188 SEA ABB=ON PLU=ON L7
L13 641329 SEA ABB=ON PLU=ON L3
L14 75336 SEA ABB=ON PLU=ON L12 AND L13
L15 153819 SEA ABB=ON PLU=ON L2
L16 3196 SEA ABB=ON PLU=ON L14 AND L15
L17 203710 SEA ABB=ON PLU=ON L9
L18 836 SEA ABB=ON PLU=ON L16 AND L17
L19 440859 SEA ABB=ON PLU=ON L5
L20 40 SEA ABB=ON PLU=ON L18 AND L19
L21 30 DUP REM L20 (10 DUPLICATES REMOVED)
D IALL 1-30

FILE 'JAPIO, KOREAPAT' ENTERED AT 16:04:32 ON 20 JUL 2006

L22 72170 SEA ABB=ON PLU=ON L2
L23 739995 SEA ABB=ON PLU=ON L3
L24 604287 SEA ABB=ON PLU=ON L5
L25 766792 SEA ABB=ON PLU=ON L7
L26 166939 SEA ABB=ON PLU=ON L9
L27 2 SEA ABB=ON PLU=ON L22 AND L23 AND L24 AND L25 AND L26
D IALL 1-2
L28 83 SEA ABB=ON PLU=ON L22 AND L23 AND L24 AND L25
L29 3 SEA ABB=ON PLU=ON L28 AND RAIL
L30 3 SEA ABB=ON PLU=ON L29 NOT L27
D IALL 1-3
L31 1 SEA ABB=ON PLU=ON L28 AND (FAN? OUT)
L32 1 SEA ABB=ON PLU=ON L31 NOT (L27 OR L30)
D IALL
L33 23 SEA ABB=ON PLU=ON L28 AND DRIVER
L34 23 SEA ABB=ON PLU=ON L33 NOT (L27 OR L30 OR L32)
D IALL 1-23

FILE 'PASCAL' ENTERED AT 16:14:41 ON 20 JUL 2006

L35 66824 SEA ABB=ON PLU=ON PITCH OR DEVICE DENSITY OR (NON) (2W) (PLANAR

EIC 2800 MARY S. MIMS 272-5928

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) OR TOPOGRAPH?
L36 369496 SEA ABB=ON PLU=ON SUBSTRAT? OR DIE OR WAFER
L37 128050 SEA ABB=ON PLU=ON DRIVE? OR RAIL OR FAN? OUT
L38 440556 SEA ABB=ON PLU=ON MOSFET OR MOS OR CMOS OR NMOS OR PMOS OR
ARRAY OR MATRIX? OR MEMOR? OR PROM OR ROM OR RAM OR SRAM OR
DRAM OR (STOR? OR MEMOR?) (2W) (INFORMATION OR DATA OR DEVICE?
OR CELL OR ARRAY OR MATRIX)
L39 60271 SEA ABB=ON PLU=ON ?LITHOGR? OR ETCH? OR IMPRINT? OR EMBOSS?
L40 9 SEA ABB=ON PLU=ON L35 AND L36 AND L37 AND L38 AND L39
D IALL 1-9

FILE 'CONFSCI' ENTERED AT 16:17:49 ON 20 JUL 2006

L41 2966 SEA ABB=ON PLU=ON PITCH OR DEVICE DENSITY OR (NON) (2W) (PLANAR
) OR TOPOGRAPH?
L42 8699 SEA ABB=ON PLU=ON SUBSTRAT? OR DIE OR WAFER
L43 5231 SEA ABB=ON PLU=ON DRIVE? OR RAIL OR FAN? OUT
L44 17914 SEA ABB=ON PLU=ON MOSFET OR MOS OR CMOS OR NMOS OR PMOS OR
ARRAY OR MATRIX? OR MEMOR? OR PROM OR ROM OR RAM OR SRAM OR
DRAM OR (STOR? OR MEMOR?) (2W) (INFORMATION OR DATA OR DEVICE?
OR CELL OR ARRAY OR MATRIX)
L45 2572 SEA ABB=ON PLU=ON ?LITHOGR? OR ETCH? OR IMPRINT? OR EMBOSS?
L46 0 SEA ABB=ON PLU=ON L41 AND L42 AND L43 AND L44 AND L45
L47 0 SEA ABB=ON PLU=ON L41 AND L42 AND L43 AND L44
L48 0 SEA ABB=ON PLU=ON L41 AND L42 AND L43
L49 27 SEA ABB=ON PLU=ON L41 AND L42
D IALL 1-27

FILE 'DPCI' ENTERED AT 16:21:12 ON 20 JUL 2006

L50 6 SEA ABB=ON PLU=ON (US5621683 OR US6631085 OR US5060045 OR
US5587948 OR US6486066 OR US20030198101)/PN
SEL PN.D PN.G

FILE 'WPIX' ENTERED AT 16:23:10 ON 20 JUL 2006

L51 181 SEA ABB=ON PLU=ON (US4586065/PN OR US5822252/PN OR US5847994/
PN OR US5931563/PN OR EP408129/PN OR EP606650/PN OR JP60038799/
PN OR US4489478/PN OR US4949162/PN OR US5272370/PN OR US6713782
/PN OR US6822903/PN OR US6856572/PN OR US6879505/PN OR
US7002825/PN OR US7005350/PN OR US7022572/PN OR EP2425084/PN
OR EP395886/PN OR EP520561/PN OR EP606659/PN OR EP73486/PN OR
JP11251531/PN OR JP4285796/PN OR JP4313882/PN OR JP5094699/PN
OR JP5274891/PN OR JP58091657/PN OR JP59079549/PN OR JP60022337
/PN OR JP60119749/PN OR JP60247943/PN OR JP61194739/PN OR
JP61232634/PN OR US3576549/PN OR US3582908/PN OR US3634929/PN
OR US3671948/PN OR US3717852/PN OR US3728695/PN OR US3787822/PN
OR US3863231/PN OR US3990098/PN OR US4143286/PN OR US4146902/P
N OR US4203123/PN OR US4203158/PN OR US4229757/PN OR US4272880/
PN OR US4281397/PN OR US4419741/PN OR US4420766/PN OR US4442507
/PN OR US4494135/PN OR US4498226/PN OR US4499557/PN OR
US4500905/PN OR US4507757/PN OR US4543594/PN OR US4569121/PN
OR US4646266/PN OR US4659948/PN OR US4711701/PN OR US4820657/PN
OR US4823181/PN OR US4855953/PN OR US4876220/PN OR US4881114/P
N OR US4883980/PN OR US4893170/PN OR US4899205/PN OR US4910574/
PN OR US4916514/PN OR US4922319/PN OR US4924290/PN OR US4943538
/PN OR US4943943/PN OR US4949149/PN OR US4963501/PN OR
US4973562/PN OR US5032890/PN OR US5070383/PN OR US5070384/PN
OR US5126290/PN OR US5130829/PN OR US5132237/PN OR US5179435/PN
OR US5233206/PN OR US5245210/PN OR US5253206/PN OR US5264390/P
N OR US5278105/PN OR US5306935/PN OR US5311039/PN OR US5319261/
PN OR US5321280/PN OR US5331592/PN OR US5334880/PN OR US5391518

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/PN OR US5394359/PN OR US5404046/PN OR US5427979/PN OR
US5440159/PN OR US5441907/PN OR US5463244/PN OR US5468977/PN
OR US5469381/PN OR US5508938/PN OR US5532500/PN OR US5535156/PN
OR US5536968/PN OR US55575

L52 10 SEA ABB=ON PLU=ON L51 AND L2
L53 10 SEA ABB=ON PLU=ON L52 NOT L10
D IALL 1-10